

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01270

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02K 41/03, H02K 35/02, F02B 71/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02K, F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0178218 A1 (ABB AB), 18 October 2001 (18.10.01), page 9, line 27 - page 13, line 17, abstract --	1-29
Y	US 6229238 B1 (MARKUS GRAEF), 5 August 2001 (05.08.01), column 7, line 31 - line 39; column 7, line 57 - line 65, figure 10 --	1-29
A	WO 0178219 A1 (ABB AB), 18 October 2001 (18.10.01), abstract --	1-29

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

30 October 2003

06-11-2003

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Irma Bornhede/MN
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01270

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5117142 A (SVANTE G.A. VON ZWEYGBERGK), 26 May 1992 (26.05.92), column 1, line 54 - column 2, line 57 --	1-29
A	US 5051641 A (HERBERT WEH), 24 Sept 1991 (24.09.91), abstract -- -----	1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

06/09/03

International application No.

PCT/SE 03/01270

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	0178218	A1	18/10/01	AU	4701201 A	23/10/01
				AU	4701301 A	23/10/01
				AU	5863600 A	31/01/01
				CA	2377960 A	04/01/01
				CZ	20023306 A	15/01/03
				CZ	20023308 A	12/02/03
				EP	1196672 A	17/04/02
				EP	1269610 A	02/01/03
				EP	1269611 A	02/01/03
				JP	2003503610 T	28/01/03
				NZ	516110 A	25/10/02
				SE	0001302 A	08/10/01
				US	2003048018 A	13/03/03
				US	2003048019 A	13/03/03
				WO	0178219 A	18/10/01
US	6229238	B1	05/08/01	DE	19818035 A	28/10/99
				EP	0952657 A	27/10/99
WO	0178219	A1	18/10/01	AU	4701201 A	23/10/01
				AU	4701301 A	23/10/01
				AU	5863600 A	31/01/01
				CA	2377960 A	04/01/01
				CZ	20023306 A	15/01/03
				CZ	20023308 A	12/02/03
				EP	1196672 A	17/04/02
				EP	1269610 A	02/01/03
				EP	1269611 A	02/01/03
				JP	2003503610 T	28/01/03
				NZ	516110 A	25/10/02
				SE	0001302 A	08/10/01
				US	2003048018 A	13/03/03
				US	2003048019 A	13/03/03
				WO	0178218 A	18/10/01
US	5117142	A	26/05/92	SE	463061 B,C	01/10/90
				SE	8903876 D	00/00/00

INTERNATIONAL SEARCH REPORT

Information on patent family members

06/09/03

International application No.

PCT/SE 03/01270

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5051641 A	24/09/91	AT 69676 T	15/12/91
		DE 3705089 A,C	25/08/88
		DE 3866350 A	02/01/92
		EP 0334901 A,B	04/10/89
		SE 0334901 T3	
		ES 2006564 A	01/05/89
		WO 8806375 A	25/08/88